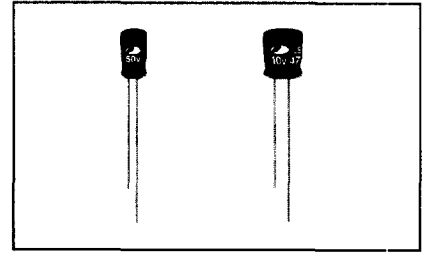
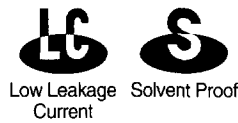


MINIATURE ALUMINUM ELECTROLYTIC CAPACITORS

LS Low Leakage Current, Height 7mm Series

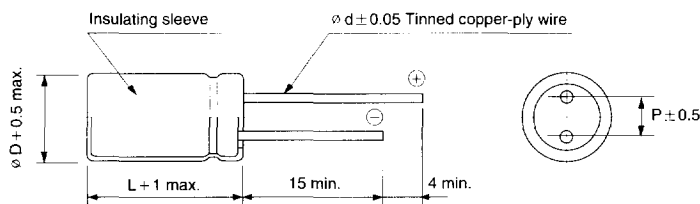
- Low leakage current series with 7mm height
- Load life of 2000 hours at 85°C



Item	Characteristics																		
Operating temperature range	-40 ~ +85°C																		
Leakage current max.	$I = 0.002CV$ or $0.4\mu A$ whichever is greater (after 2 minutes)																		
Capacitance tolerance	$\pm 20\%$ at 120Hz, 20°C																		
Dissipation factor max. (at 120Hz, 20°C)	<table border="1"> <tr> <td>WV</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>40</td> <td>50</td> <td>63</td> </tr> <tr> <td>$\tan\delta$</td> <td>0.24</td> <td>0.20</td> <td>0.16</td> <td>0.14</td> <td>0.12</td> <td>0.12</td> <td>0.10</td> <td>0.10</td> </tr> </table>	WV	6.3	10	16	25	35	40	50	63	$\tan\delta$	0.24	0.20	0.16	0.14	0.12	0.12	0.10	0.10
	WV	6.3	10	16	25	35	40	50	63										
$\tan\delta$	0.24	0.20	0.16	0.14	0.12	0.12	0.10	0.10											
Low temperature characteristics (Impedance ratio at 120Hz)	<table border="1"> <tr> <td>WV</td> <td>6.3</td> <td>10</td> <td>16, 25</td> <td>35-63</td> </tr> <tr> <td>Z-25°C/Z+20°C</td> <td>4</td> <td>3</td> <td>2</td> <td>2</td> </tr> <tr> <td>Z-40°C/Z+20°C</td> <td>8</td> <td>6</td> <td>4</td> <td>3</td> </tr> </table>	WV	6.3	10	16, 25	35-63	Z-25°C/Z+20°C	4	3	2	2	Z-40°C/Z+20°C	8	6	4	3			
	WV	6.3	10	16, 25	35-63														
	Z-25°C/Z+20°C	4	3	2	2														
Z-40°C/Z+20°C	8	6	4	3															
Load life (after application of the rated voltage for 2000 hours at 85°C)	Leakage current	Less than specified value																	
	Capacitance change	Within $\pm 20\%$ of initial value																	
	$\tan\delta$	Less than 200% of specified value																	
Shelf life (at 85°C)	After 1000 hours no load test, leakage current, capacitance and $\tan\delta$ are same as load life value.																		

● DRAWING

Unit : mm



ϕD	4	5	6.3
P	1.5	2.0	2.5
ϕd	0.45	0.5	0.5

● DIMENSIONS & MAXIMUM PERMISSIBLE RIPPLE CURRENT

μF \ WV	6.3	10	16	25	35	40	50	63					
0.1							4 × 7	4.4	4 × 7	4.4			
0.15							4 × 7	5.4	4 × 7	5.4			
0.22							4 × 7	6.6	4 × 7	6.6			
0.33							4 × 7	8.0	4 × 7	8.0			
0.47							4 × 7	9.6	4 × 7	9.6			
0.68							4 × 7	12	4 × 7	12			
1.0							4 × 7	14	4 × 7	14			
1.5							4 × 7	17	4 × 7	17			
2.2							4 × 7	21	4 × 7	21			
3.3							4 × 7	25	5 × 7	29			
4.7					4 × 7	28	4 × 7	28	5 × 7	35	6.3 × 7	40	
6.8				4 × 7	31	5 × 7	38	5 × 7	39	5 × 7	42	6.3 × 7	49
10			4 × 7	35	5 × 7	43	5 × 7	46	5 × 7	47	6.3 × 7	59	
15		4 × 7	38	5 × 7	49	5 × 7	53	6.3 × 7	66	6.3 × 7	66	6.3 × 7	72
22	4 × 7	43	5 × 7	53	5 × 7	60	6.3 × 7	74	6.3 × 7	80	6.3 × 7	79	
33	5 × 7	60	5 × 7	65	6.3 × 7	85	6.3 × 7	91					
47	5 × 7	71	6.3 × 7	90	6.3 × 7	101							
68	6.3 × 7	99	6.3 × 7	109									
100	6.3 × 7	120											

Ripple current (mA rms) at 85°C, 120Hz
Case size $\phi D \times L$ (mm)